

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2005/050051

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01R33/561

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB, COMPENDEX, INSPEC, BIOSIS, EMBASE, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/060567 A1 (HARVEY PAUL ROYSTON ET AL) 23 May 2002 (2002-05-23) paragraph '0007! - paragraph '0047! figures 1-3	1-4, 6, 15, 16, 19
X	TSAO J ET AL: "MR angiography at high acceleration using feedback regularized SENSE and variable density k-space sampling" PROCEEDINGS OF THE INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE, 11TH SCIENTIFIC MEETING AND EXHIBITION, TORONTO, ONTARIO, CANADA, 10-16 JULY 2003, 10 July 2003 (2003-07-10), page 484, XP002323436 the whole document	1-4, 6, 9, 11-19

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"Z" document member of the same patent family

Date of the actual completion of the international search

6 April 2005

Date of mailing of the international search report

18/04/2005

Name and mailing address of the ISA

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PCT/IB2005/050051

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KATSCHER U: "Underdetermined variable density SENSE" PROCEEDINGS OF THE INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE, 11TH SCIENTIFIC MEETING AND EXHIBITION, TORONTO, ONTARIO, CANADA, 10-16 JULY 2003, 10 July 2003 (2003-07-10), page 2342, XP002323437 the whole document -----	1-20
Y	MCKENZIE C A ET AL: "SELF-CALIBRATING PARALLEL IMAGING WITH AUTOMATIC COIL SENSITIVITY EXTRACTION" MAGNETIC RESONANCE IN MEDICINE, ACADEMIC PRESS, DULUTH, MN, US, vol. 47, no. 3, March 2002 (2002-03), pages 529-538, XP001081407 ISSN: 0740-3194 page 529 - page 530 -----	1-4,6-8, 15,16, 19,20
Y	YEH EN ET AL: "Self-calibrated spiral parallel imaging" PROCEEDINGS OF THE INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE, 10TH SCIENTIFIC MEETING, HONULULU, HAWAII, USA, 18-24 MAY 2002, 18 May 2002 (2002-05-18), page 2390, XP002323438 the whole document -----	1-20
Y	WO 03/093854 A (THE BRIGHAM AND WOMEN'S HOSPITAL, INC; MADORE, BRUNO) 13 November 2003 (2003-11-13) page 3, line 19 - page 5, line 3 page 7, line 3 - page 13, line 9 figures 3A-3C -----	1-4,6-9, 13-17, 19,20
A	US 2002/014889 A1 (PRUSSMANN KLAAS PAUL ET AL) 7 February 2002 (2002-02-07) the whole document -----	1-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2005/050051

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